

10053849-012202

**I CLAIM:**

1. An alarm network for the detection of smoke or toxic gas or fire or other abnormal environmental conditions, comprising:

A. two or more alarm devices, each device comprising sensor means for sensing the presence of one or more said abnormal environmental conditions, each said alarm device comprising an audible alarm, each said alarm device comprising a user selectable coded radio frequency transmitter for wireless communication of alarm messages of said abnormal environmental condition to the other said alarm devices in said alarm network, each said alarm device comprising a user selectable coded radio frequency receiver to receive said coded radio frequency alarm messages of said abnormal environmental condition from other said alarm devices in said alarm network;

B. each alarm device comprising means to activate said audible alarm when said abnormal environmental conditions sensed by said sensor means, each alarm device comprising means to activate said radio frequency transmitter when said abnormal environmental conditions sensed by said sensor means, each alarm device comprising means to activate said audible alarm when said coded radio frequency alarm message of said abnormal environmental condition is received by said radio frequency receiver from other said alarm device in said alarm network;

C. each alarm device comprising time delay means to eliminate false alarm messages from radio frequency devices outside of said alarm network.

2. An alarm network for the detection of smoke or toxic gas or fire or other abnormal environmental conditions as defined in claim 1, further comprising:

A. wireless means to disable emission of said audible alarm from said alarm devices of said alarm network not at the location of said abnormal environmental condition;

B. wireless means to disable transmission of said radio frequency alarm message from said alarm devices of said alarm network not at the location of said abnormal environmental condition;

C. wireless means to disable reception of said radio frequency alarm message from said alarm devices of said alarm network.

3. An alarm network for the detection of smoke or toxic gas or fire or other abnormal environmental conditions as defined in claim 2, further comprising wireless indicator means of said activated audible alarm after termination of said audible alarm.

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